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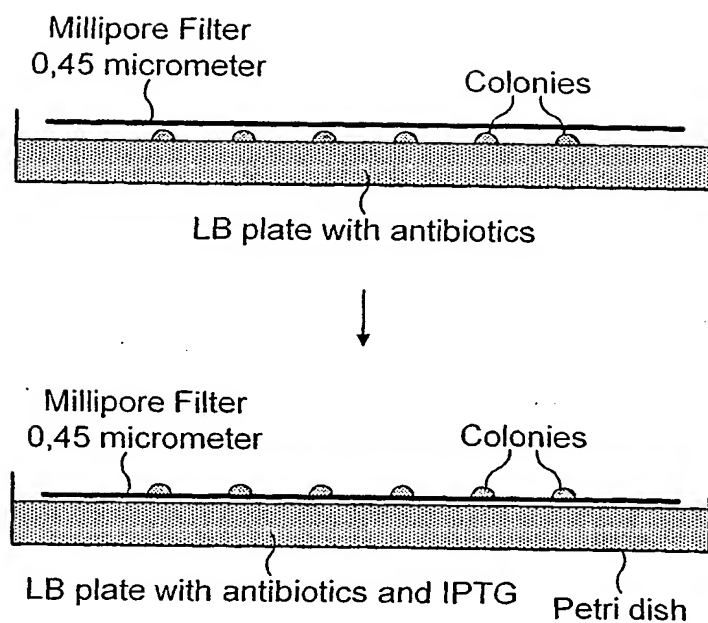


FIG. 1

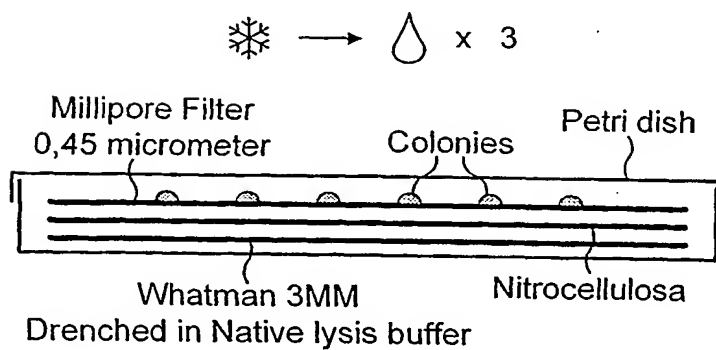


FIG. 2

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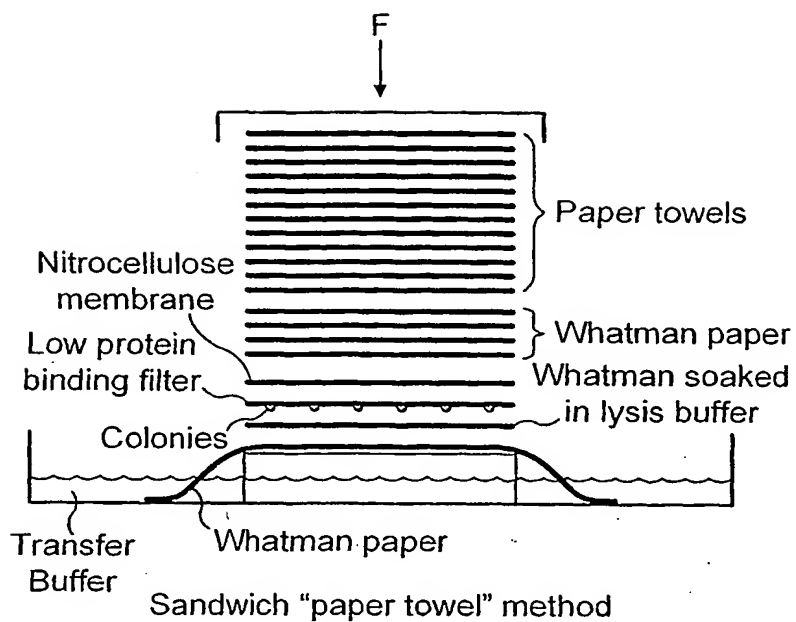


FIG. 3A

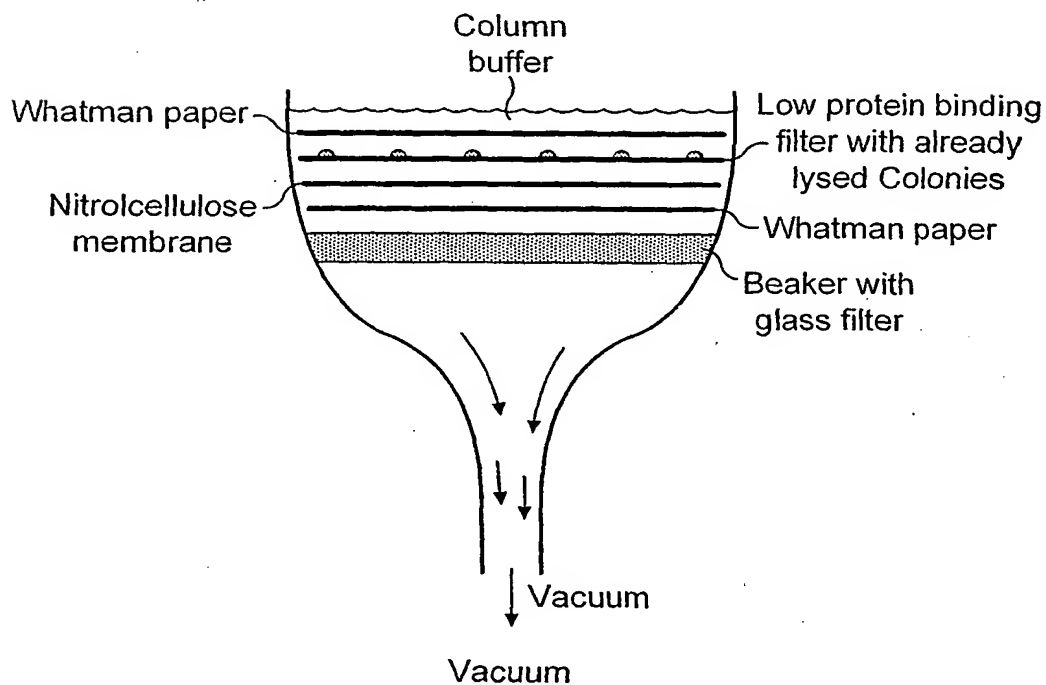


FIG. 3B

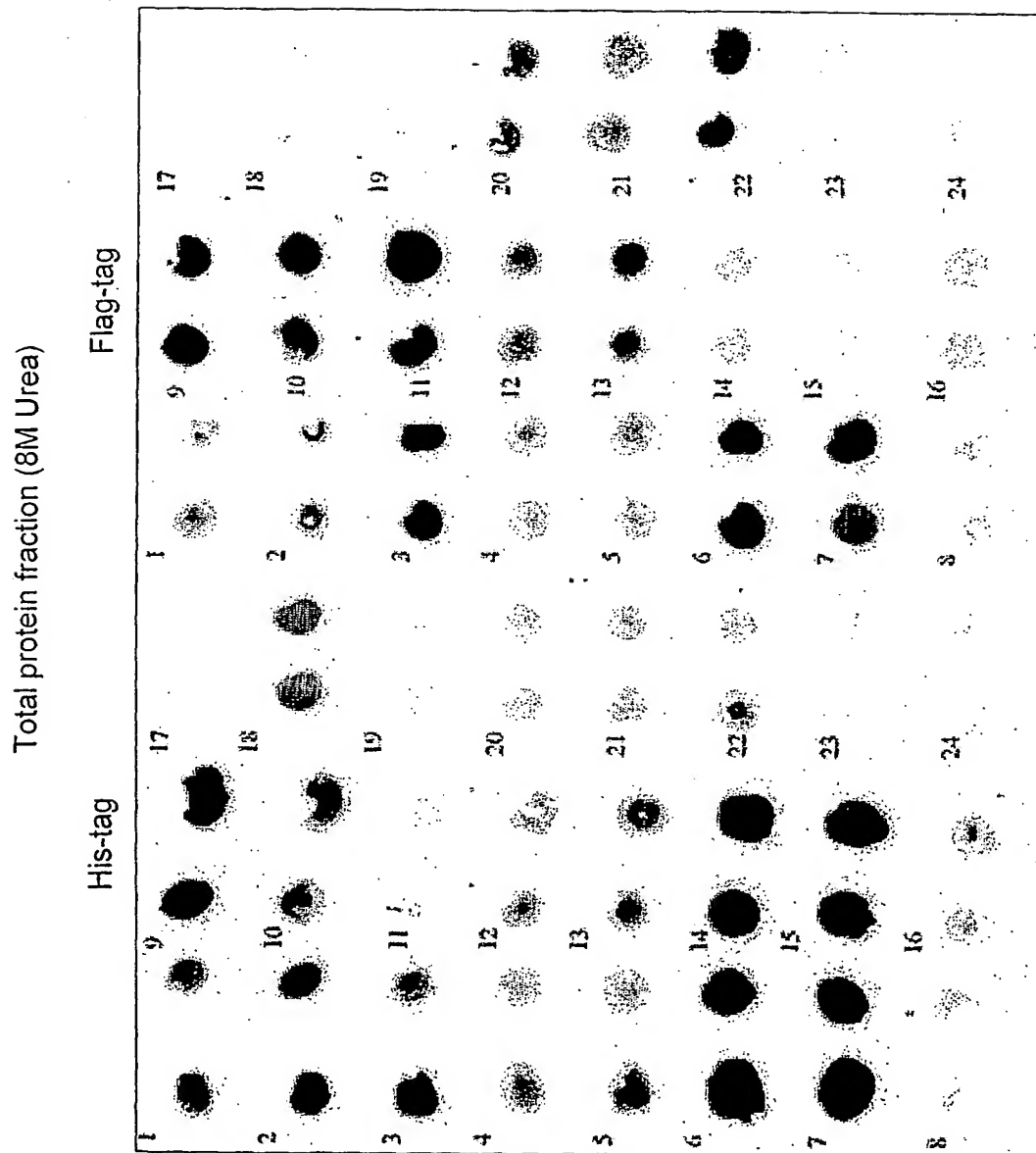


FIG. 4a

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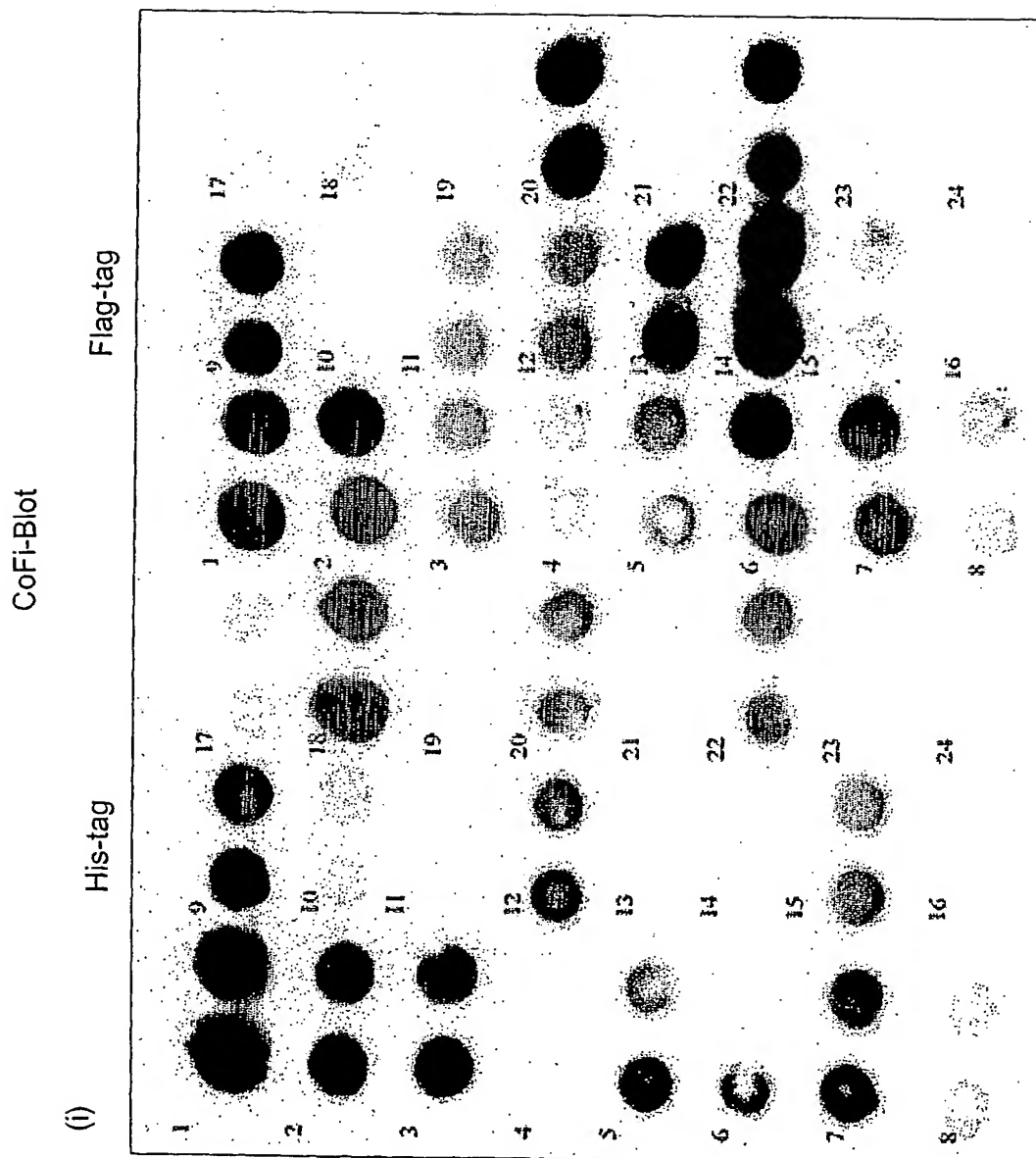


FIG. 4b

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(ii)

| CoFi-Blot | | | | | | |
|-----------|--------|--------|--------|--------|--------|------|
| His | | | | Flag | | |
| A | High | High | Low | High | High | No |
| B | High | Low | High | High | No | No |
| C | High | No | No | Medium | Medium | No |
| D | No | Medium | Medium | Low | Medium | High |
| E | Medium | No | No | Medium | High | No |
| F | Low | No | Medium | High | High | High |
| G | High | Medium | No | High | Low | No |
| H | Low | No | No | Low | No | No |

| |
|---|
| False Positive or Negative |
| Predicted as soluble but in the most distant category |
| Predicted as soluble but in a neighbouring category |
| Correctly predicted in the right category |

FIG. 4b CONT'D

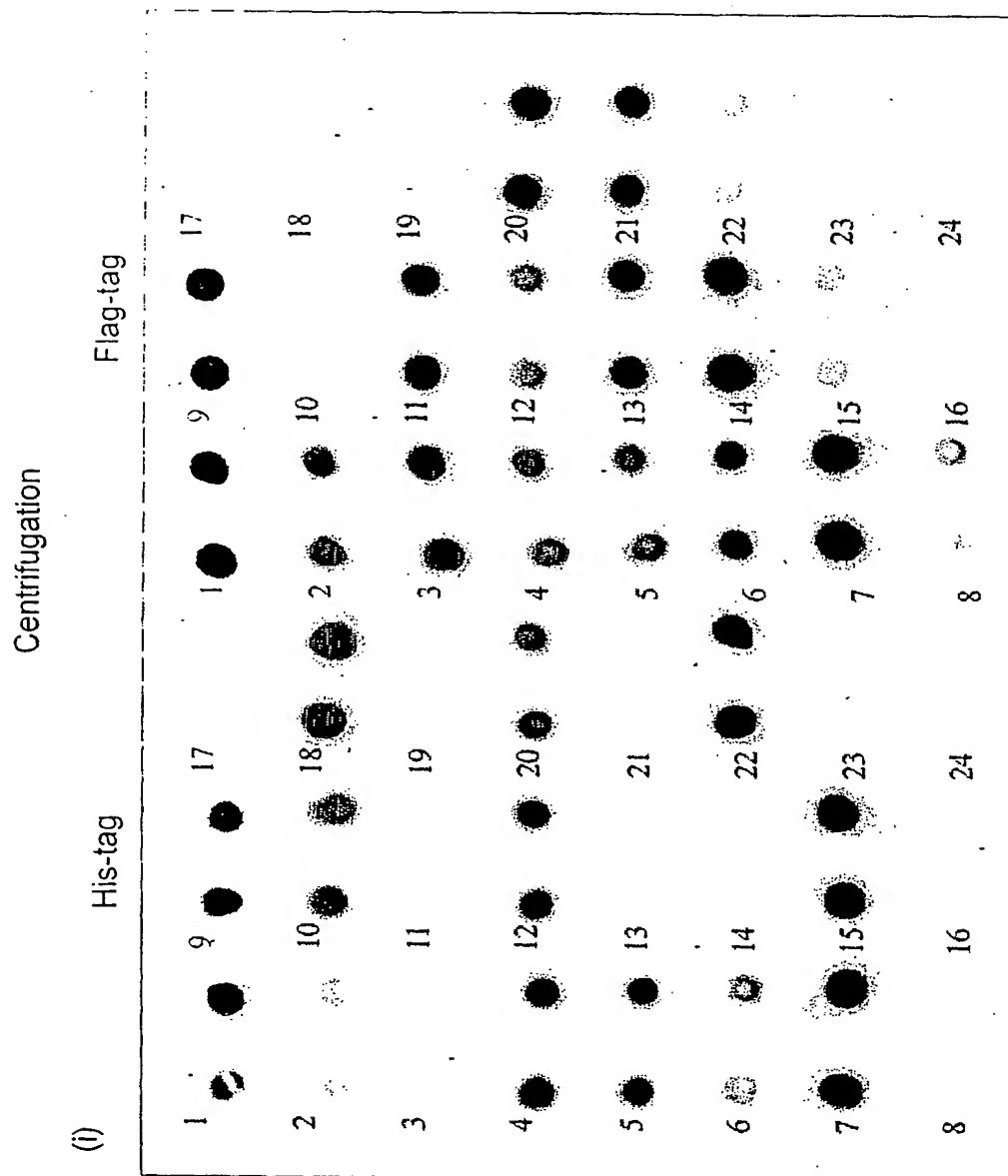


FIG. 4c

(ii)

| | Centrifugation | | | | | | |
|---|----------------|--------|--------|--------|--------|------|------|
| | His | | | Flag | | | |
| A | High | High | No | High | High | No | No |
| B | Low | Medium | High | Medium | No | No | No |
| C | Low | No | No | Medium | Medium | No | No |
| D | Medium | Medium | Medium | Medium | Low | High | High |
| E | Medium | No | No | Medium | High | High | Low |
| F | Low | No | High | Medium | High | Low | No |
| G | High | High | No | High | Low | No | No |
| H | No | No | No | Low | No | No | No |

FIG. 4b CONT'D

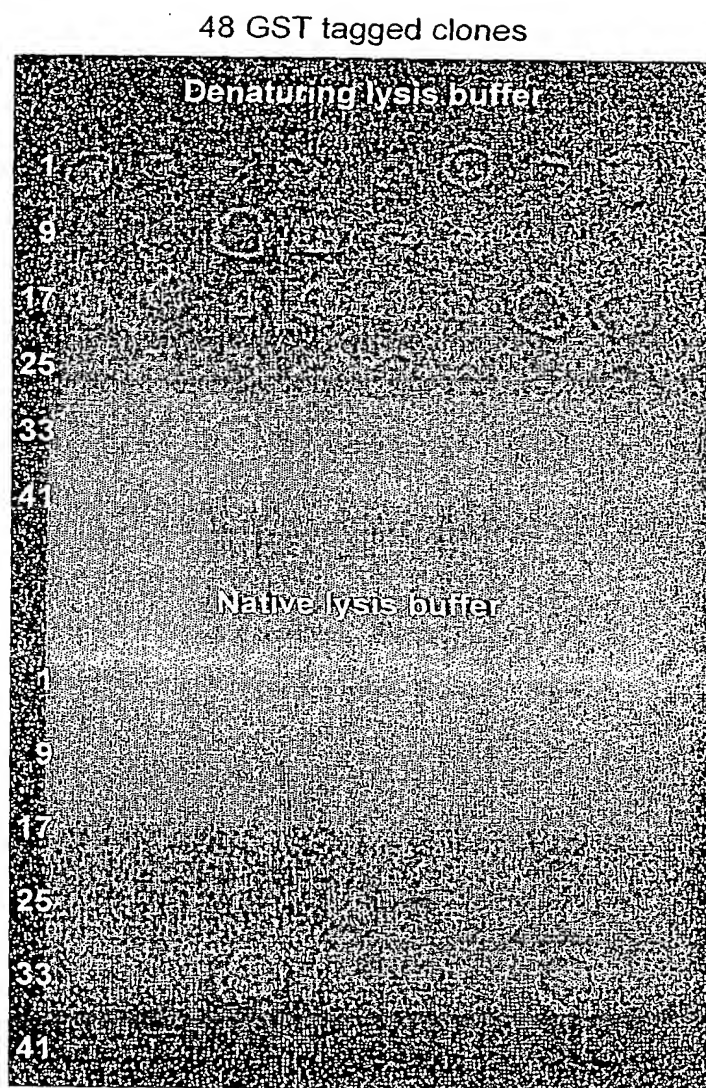


FIG. 5

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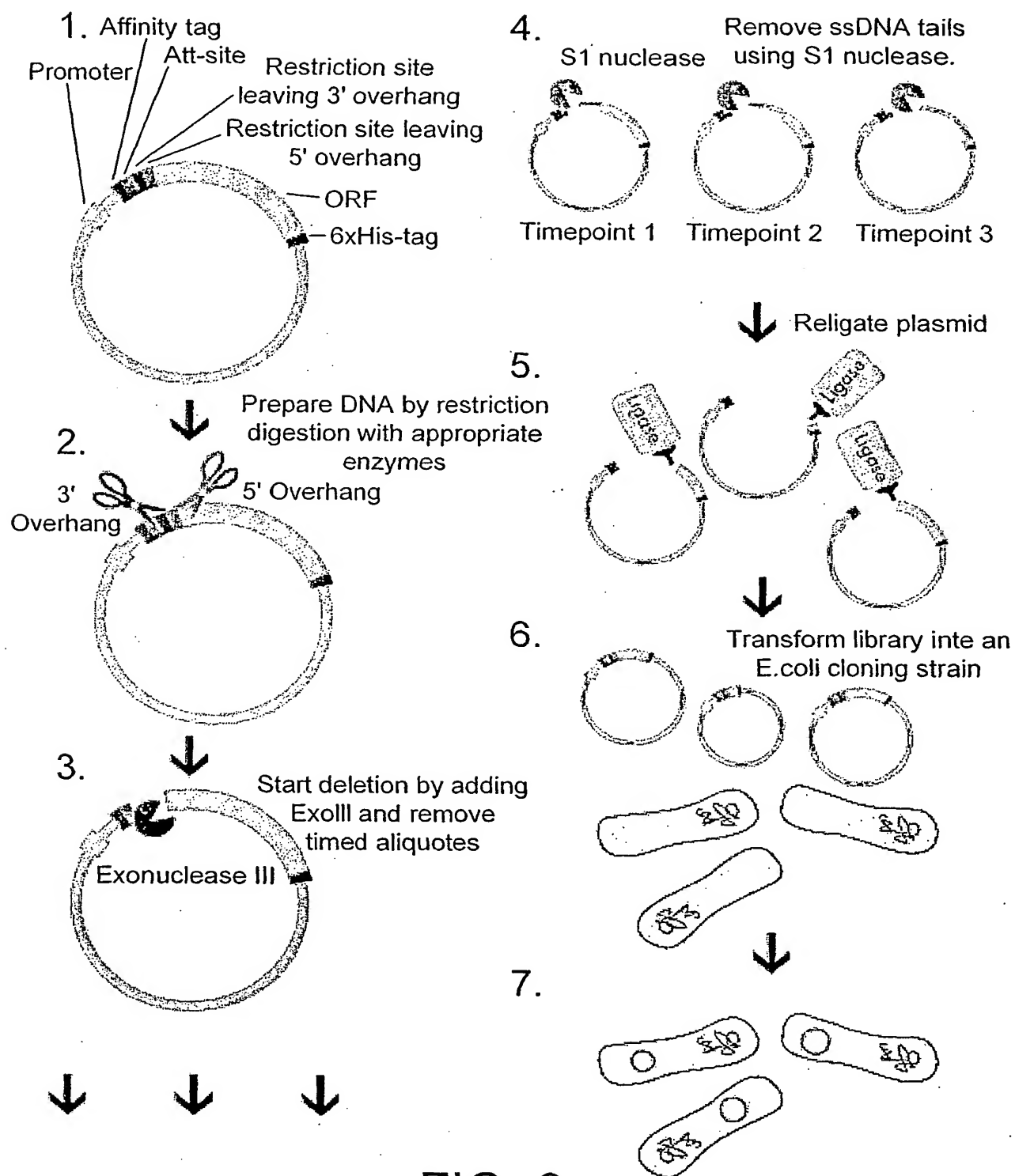
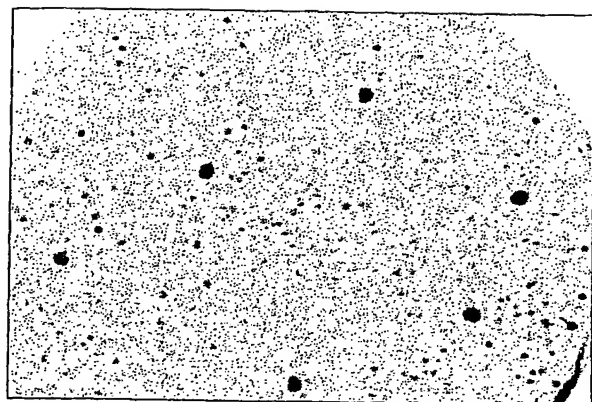


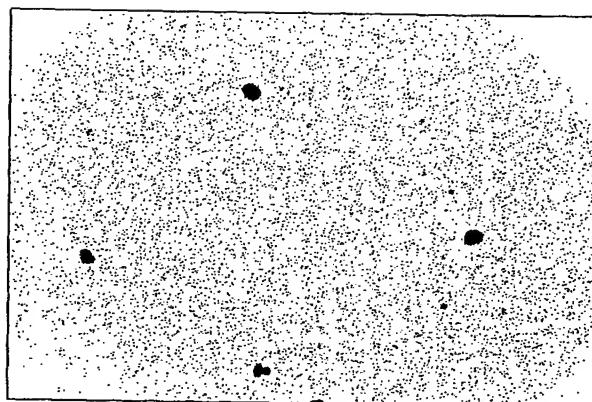
FIG. 6

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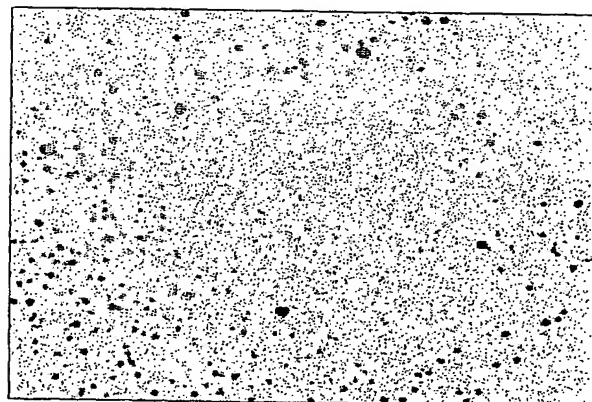
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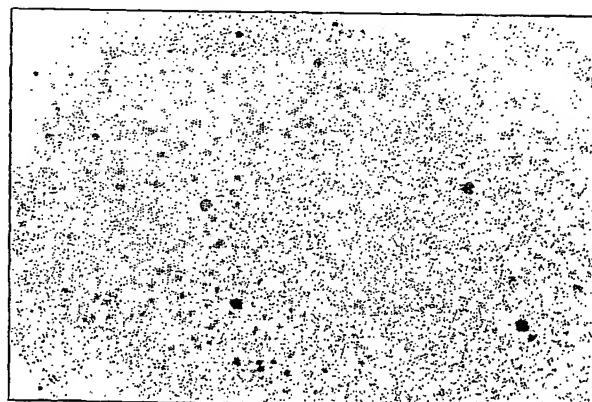
RORA 5-8 minutes
(~100-190 aa:s)



RORA 20-24 minutes
(~450-560 aa:s)



SOCS-2 1-4 minutes
(~0-90 aa:s)

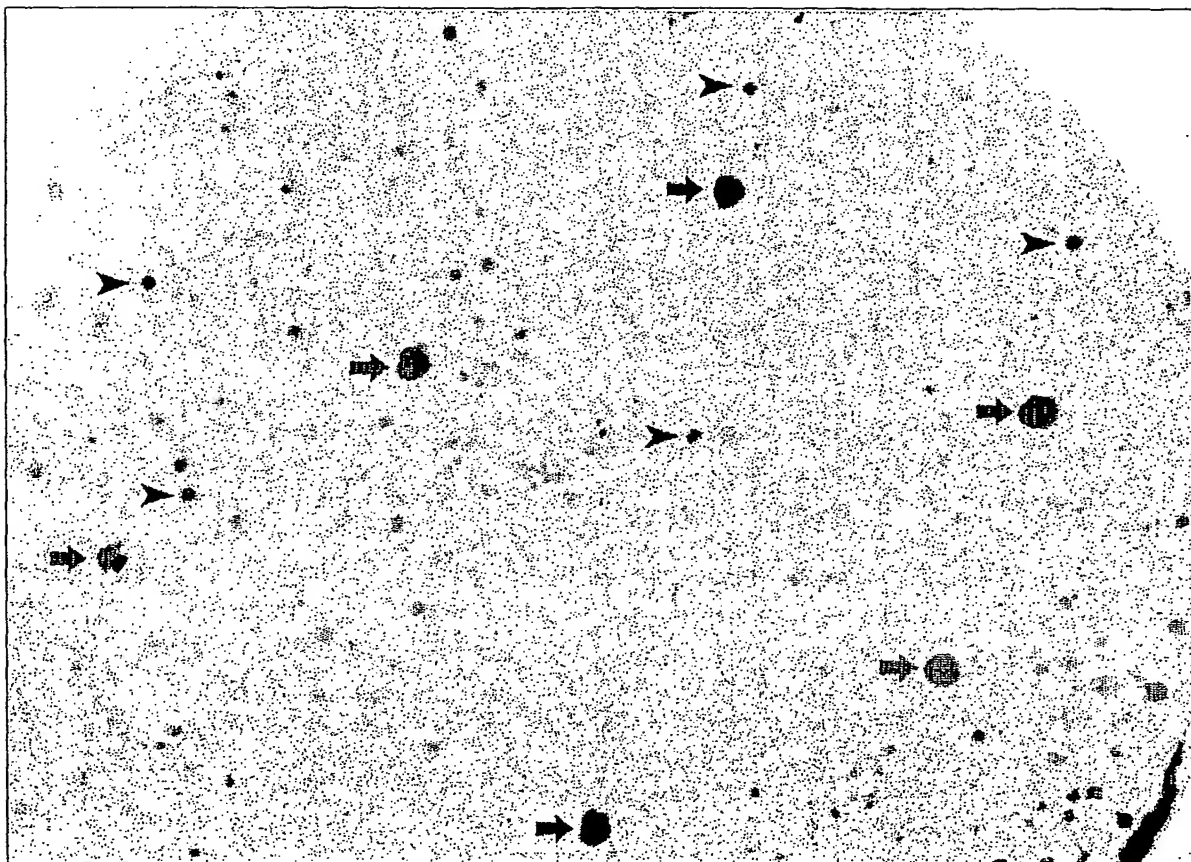


SOCS-2 9-12 minutes
(~210-300 aa:s)

FIG. 7a

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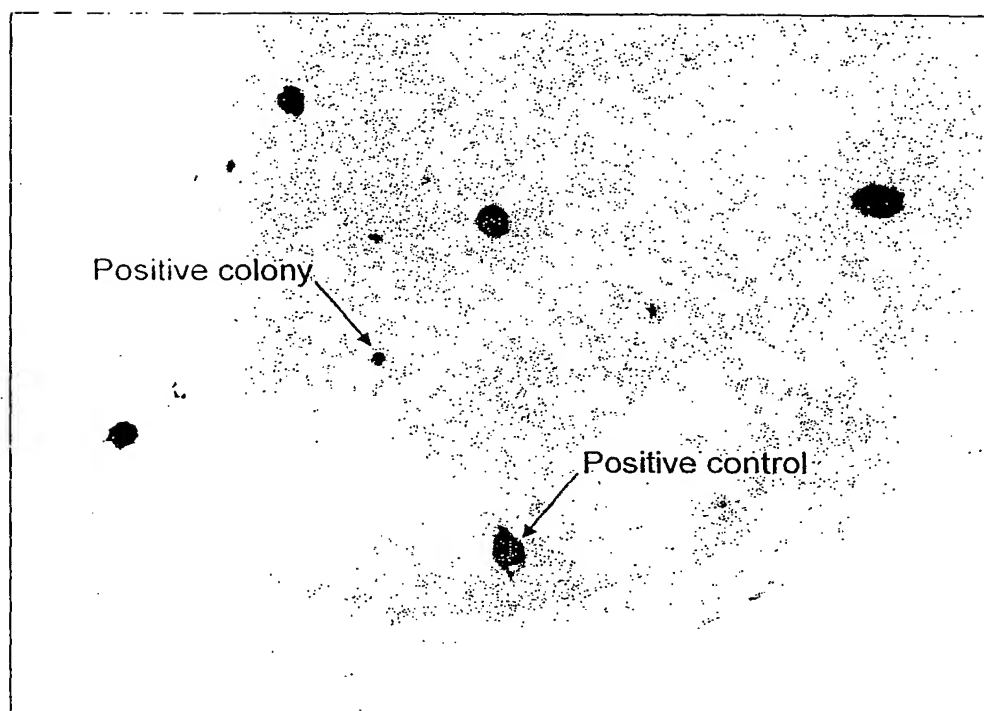
Colony screen of a RORa library. The positive controls (➡) are added to the plate with the library to facilitate orientation. ➤ Indicates examples of colonies judged to produce soluble protein.

FIG. 7b

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Colony FiDo with reference



5:2500 Colonies

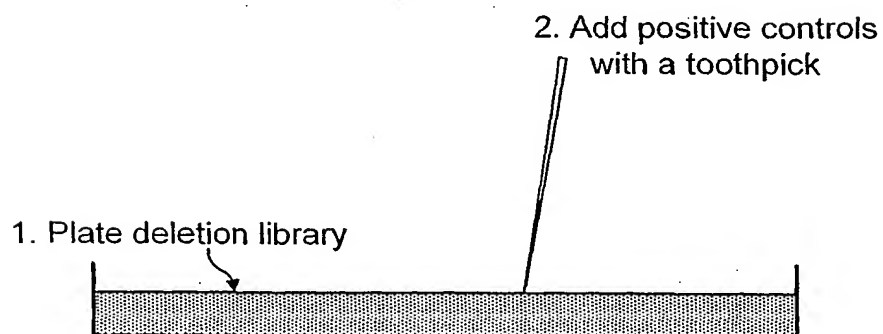


FIG. 8

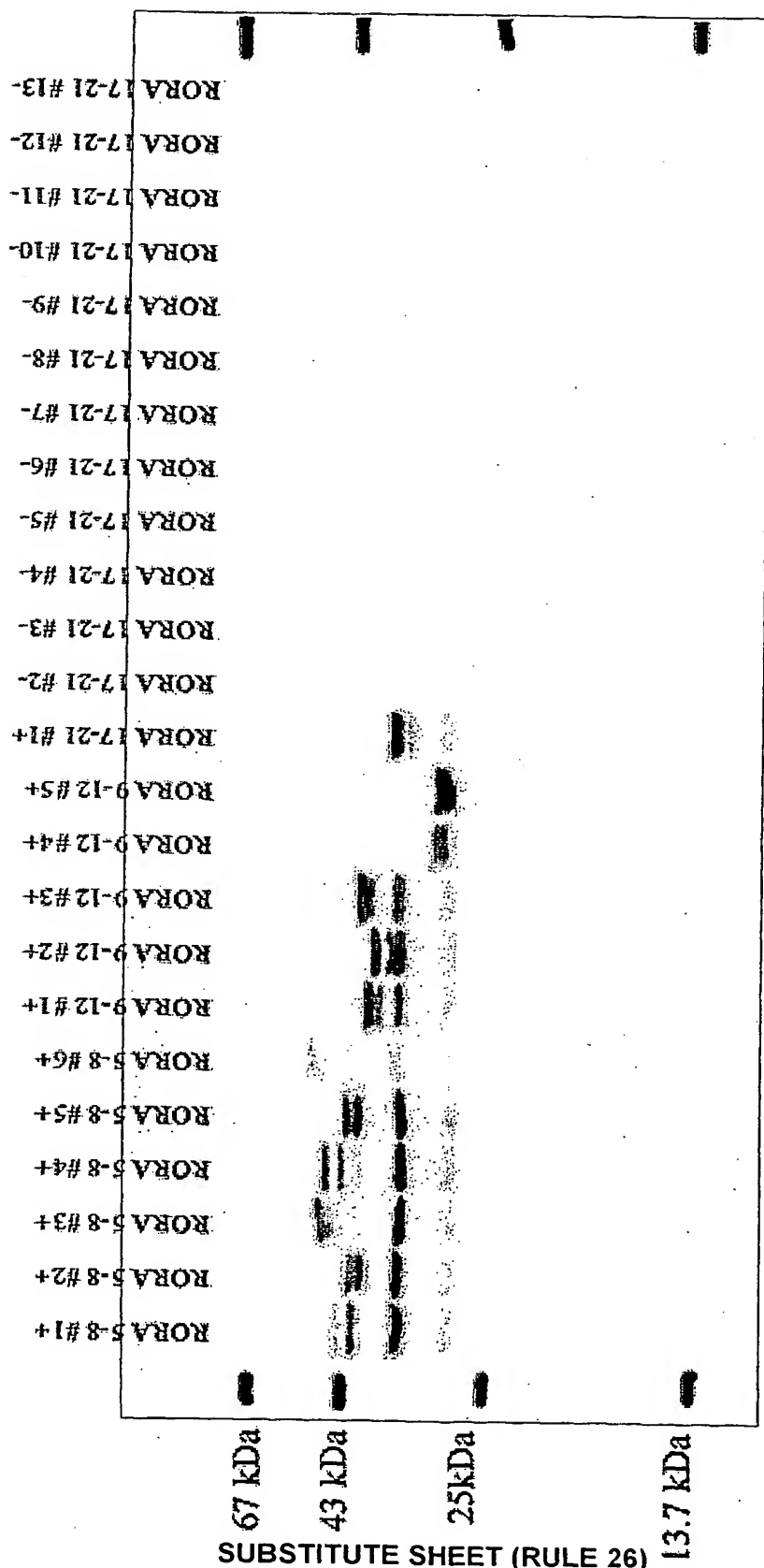


FIG. 9

SOCS-2

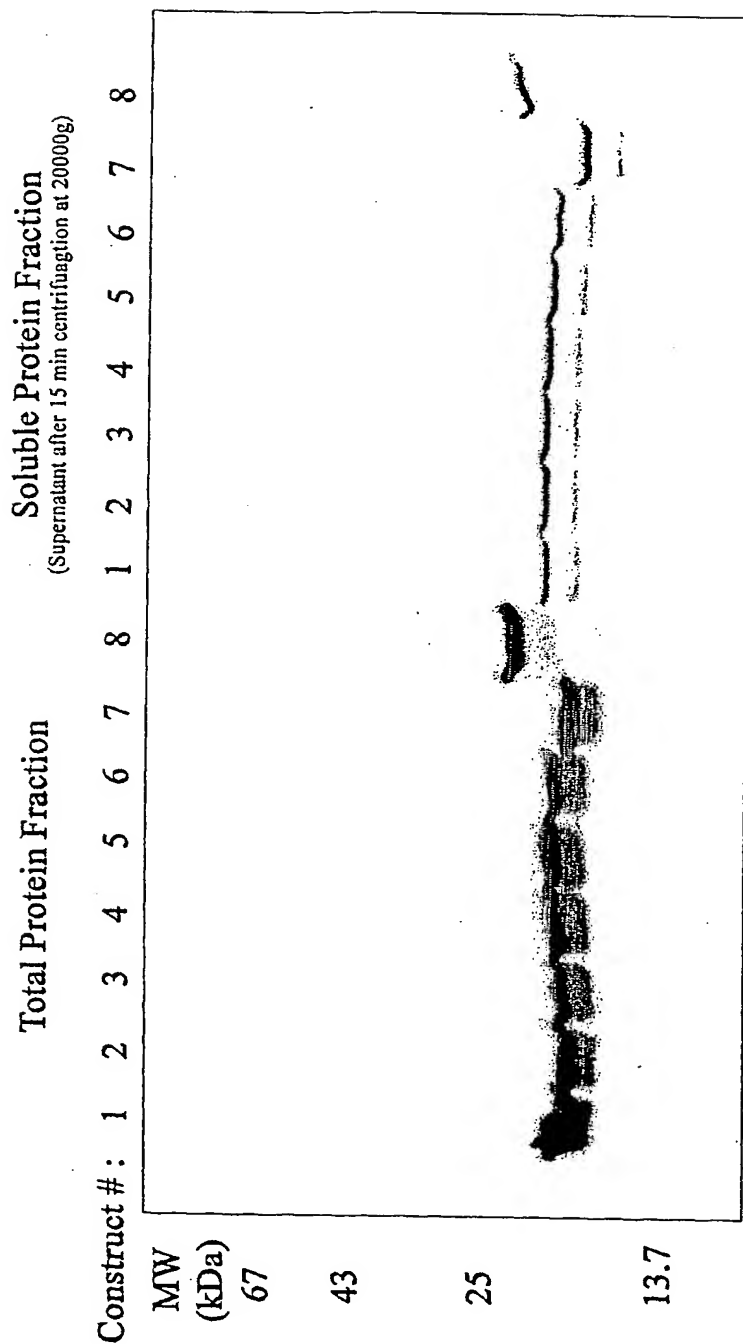


FIG. 10

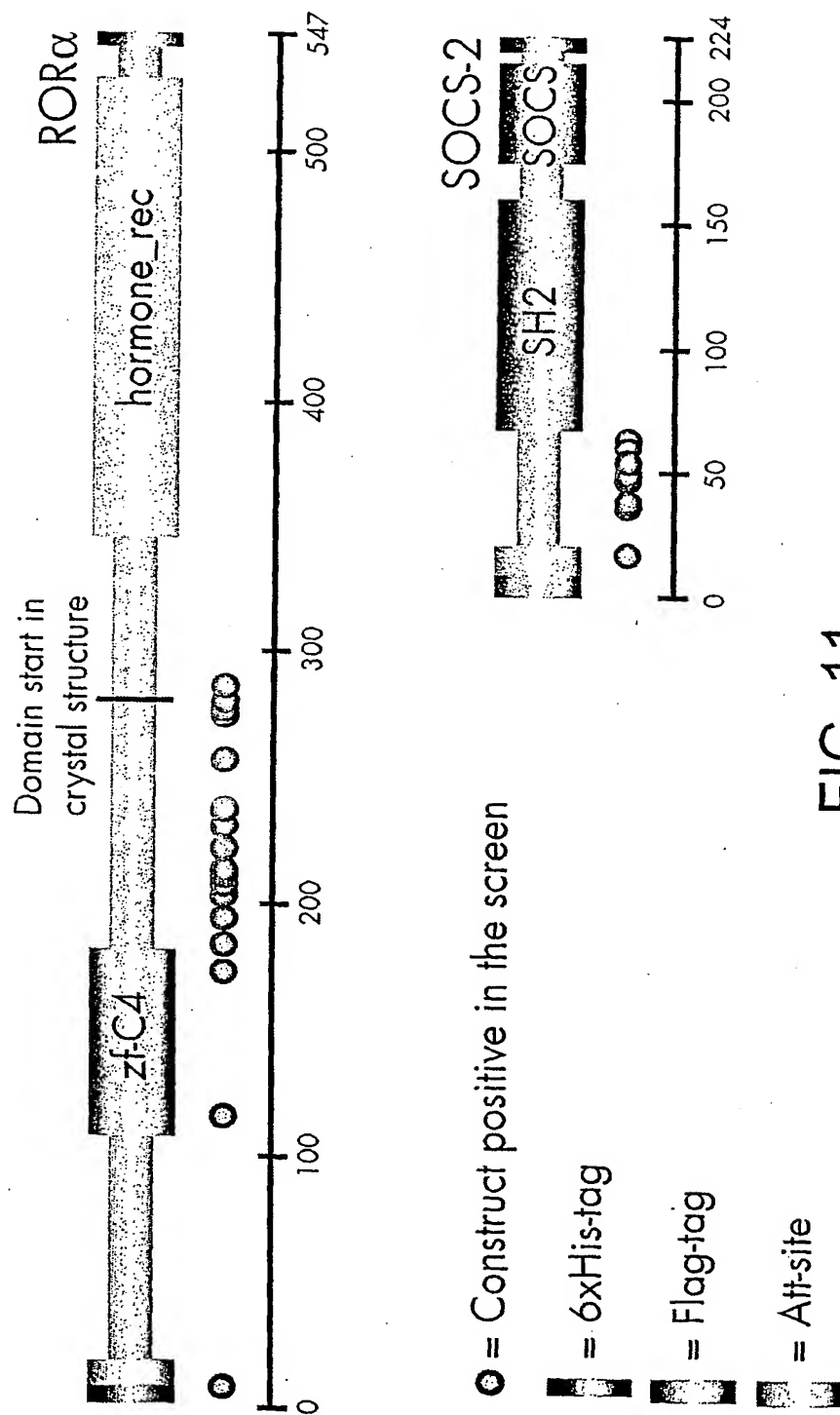


FIG. 11

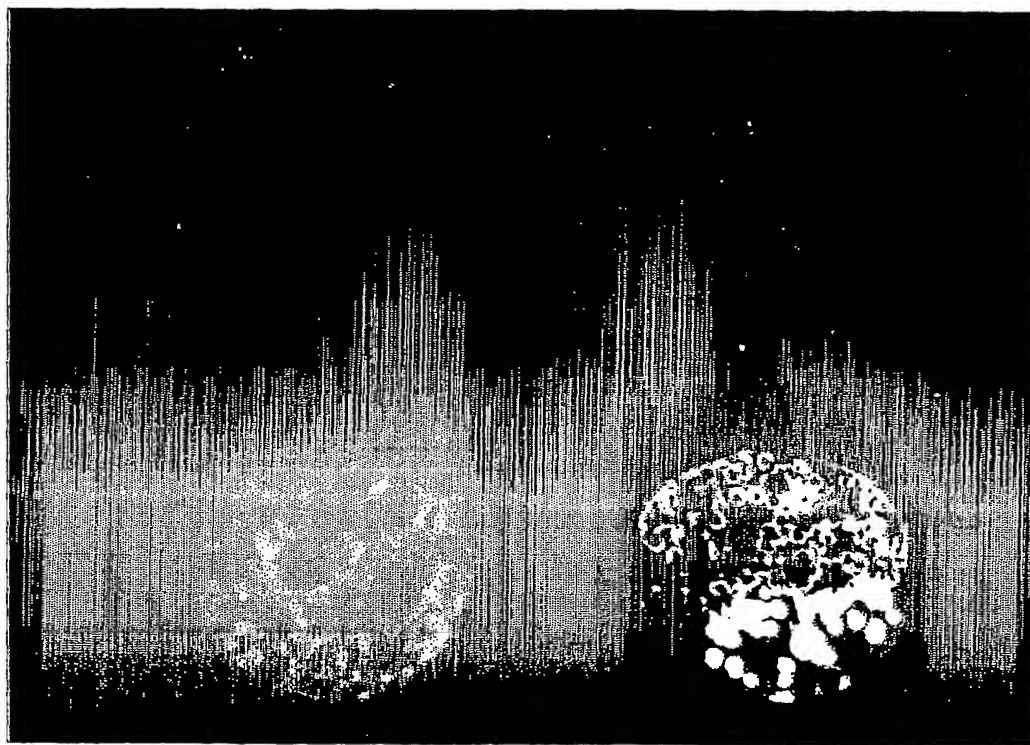


FIG. 12

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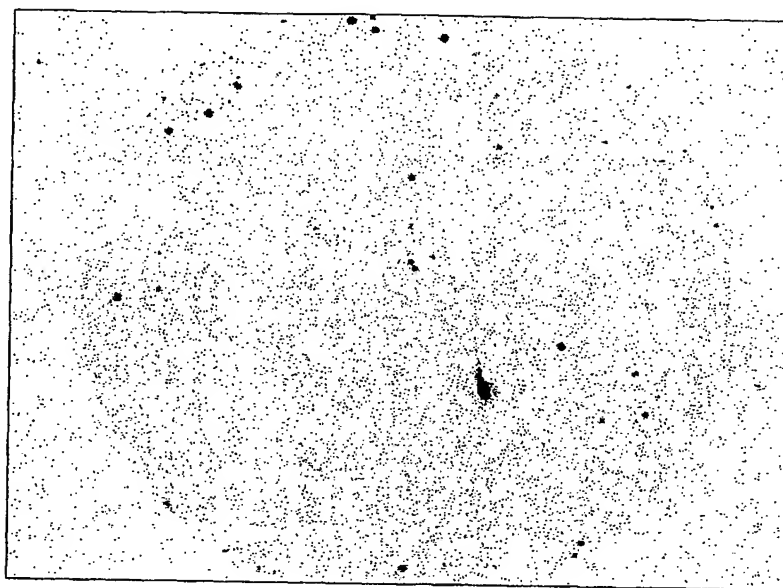


FIG. 13a

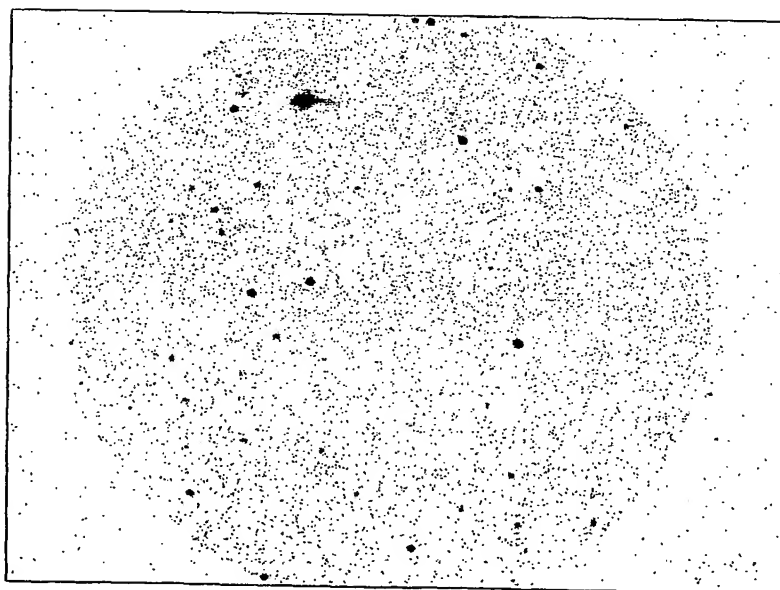


FIG. 13b

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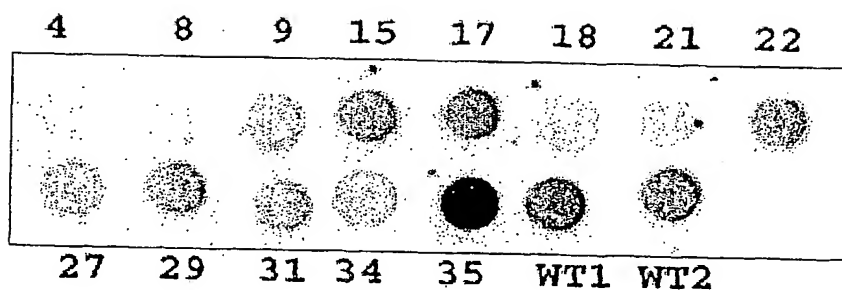


FIG. 14a

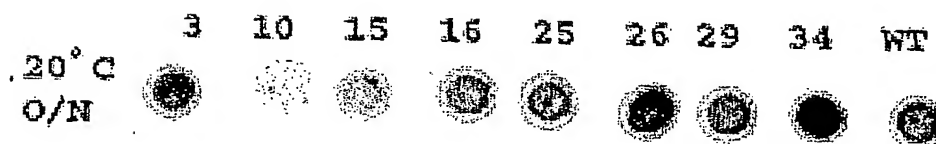


FIG. 14b